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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/805,852	03/22/2004	Robert Sandman	P0828-US	1717

27189 7590 01/08/2007

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EXAMINER	
LEE, CHUN KUAN	
ART UNIT	**PAPER NUMBER**
2181	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/805,852	SANDMAN ET AL.	
	Examiner	Art Unit	
	Chun-Kuan (Mike) Lee	2181	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *27 October 2006*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,2,4-6,8,9 and 11-13* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,2,4-6,8,9 and 11-13* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *22 March 2004* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

FRITZ FLEMING
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100
1/3/2007

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-2, 4-6, 8-9 and 11-13 have been considered but are moot in view of the new grounds of rejection. The objection to the Abstract is maintained as no correction appears to have been made. Currently, claims 3, 7 and 10 are canceled and claims 1-2, 4-6, 8-9 and 11-13 are pending for examination.

Specification

2. The abstract of the disclosure is objected to because of "[0023]" at the beginning of the paragraph, please remove "[0023]". Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 1-2 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Salmonsen (US Pub.: 2003/0225568) in view of Blood et al. (US Patent 6,874,060).

4. . As per claims 1 and 8, Salmonsen teaches a system and a method of interface with an operating system comprising:

a drive (e.g. media drive) which receives a removable magnetic media cartridge (e.g. hard disk drive or flash memory devices) ([0026] and [0097]);

presenting a removable magnetic media system to the operating system (Fig. 3, ref. 304) as an optical drive ([0031], [0058] and [0097]);

using an optical drive file system to enable communication between the removable magnetic media system and the operating system ([0145]), wherein the optical drive file system is the UDF file system;

performing read and write data to and from the removable magnetic media system using the optical drive file system ([0031], [0058] and [0071]).

Salmonsen does not expressly teach the system and the method for interfacing removable magnetic media system with the operating system comprising:

configuring the removable magnetic media system to use an optical drive interface to communicate with the operating system; and

using MMC commands.

Blood teaches an interface system and method comprising a virtual disk subsystem (Fig. 1-3, ref. 12) configured to provide communication between a storage drive (Fig. 3, ref. 82) and a host (Fig. 1-2, ref. 10) (col. 3, l. 25 to col. 4, l. 19); and utilizing disk commands including Multi-Media Commands (MMC) for accessing the storage drive (col. 3, ll. 40-41).

It would have been obvious to one of ordinary skill in this art, at the time of invention was made to include Blood's virtual disk subsystem into Salmonsen's removable magnetic media system. The resulting combination of the references further teaches the system and the method for interfacing removable magnetic media system with the operating system comprising:

the removable magnetic media system configure to use the virtual disk subsystem to communicate with the host's operating system; and

utilizing the MMC commands for accessing (i.e. read and write operations) the storage drive.

Therefore, it would have been obvious to combine Blood with Salmonsen for the benefit of testing and administering of a computer remotely by providing an alternate boot sequence to the computer remotely (Blood, col. 1, l. 39 to col. 2, l. 10).

5. As per claims 2 and 9, Salmonsen and Blood teach all the limitations of claims 1 and 8 as discussed above, where Salmonsen further teaches the system and the method comprising wherein the optical drive file system is the UDF file system (Salmonsen, [0145]).

6. Claims 4, 6, 11 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Salmonsen (US Pub.: 2003/0225568) and Blood et al. (US Patent 6,874,060), and further in view of "Universal Disk Format Specification".

Salmonsen and Blood teach all the limitations of claims 1 and 8 as discussed above, where Salmonsen further teaches the system and the method comprising wherein the optical drive file system is the UDF file system (Salmonsen, [0145]).

Salmonsen and Blood do not expressly teach the system and the method comprising:

writing data to the removable magnetic media system in 64K allocations of 2K logical block addresses; and

supporting multiple volume sets.

"Universal Disk Format Specification" teaches a standard comprising:

writing packets of 64KB with 2K sectors (Section 6,10,2,1 on pages 138-139); and

supporting multi-volume (Section 1.2 on page 3).

It would have been obvious to one of ordinary skill in this art, at the time of invention was made to include Universal Disk Format Specification's packets and multi-volume into Salmonsen and Blood's system.

Therefore, it would have been obvious to combine "Universal Disk Format Specification" with Salmonsen and Blood as Salmonsen and Blood's system and method operates utilizing the UDF filing system therefore must conforms to the UDF standards.

7. Claims 5 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Salmonsen (US Pub.: 2003/0225568) and Blood et al. (US Patent 6,874,060), and further in view of Zou et al. (US Patent 7,058,284)

Salmonsen and Blood teach all the limitations of claims 1 and 8 as discussed above, where Salmonsen further teaches the system and the method comprising wherein the signal supplied conforms to one that is supplied from a standard supply device such as CD or DVD (Salmonsen, [0031]).

Salmonsen and Blood do not expressly teach the system and the method comprising wherein automatic launching a program when media is inserted into the removable magnetic media system.

Zou teaches a system and a method comprising the automatic running of a optical disk when the disk is inserted into the disk drive (col. 1, ll. 57-60).

It would have been obvious to one of ordinary skill in this art, at the time of invention was made to include Zou's automatic running into Salmonsen and Blood's media.

Therefore, it would have been obvious to combine Zou with Salmonsen and Blood for the benefit of providing a more robust and flexible copy protection scheme (Zou, col. 1, ll. 42-48).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun-Kuan (Mike) Lee whose telephone number is (571) 272-0671. The examiner can normally be reached on 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fritz M. Fleming can be reached on (571) 272-4145. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

C.K.L.
01/03/2007

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